



# Indiana State Department of Health

## Weekly Influenza Report

### Week 9

Report Date: Friday, March 11, 2016

The purpose of this report is to describe the spread and prevalence of influenza-like illness (ILI) in Indiana. It is meant to provide local health departments, hospital administrators, health professionals and residents with a general understanding of the burden of ILI. Data from several surveillance programs are analyzed to produce this report. Data are provisional and may change as additional information is received, reviewed and verified. For questions regarding the data presented in this report, please call the ISDH Surveillance and Investigation Division at 317-233-7125.

### WEEKLY OVERVIEW

Influenza-like Illness - Week Ending March 5, 2016	
ILI Geographic Distribution	Widespread
ILI Activity Code	Moderate
Percent of ILI reported by sentinel outpatient providers	3.59%
Percent of ILI reported by emergency department chief complaints	2.84%
Percent positivity of influenza specimens tested at ISDH	79.10%
Number of influenza-associated deaths to date	20
Number of long-term care facility outbreaks	1
Number of school-wide outbreaks	1



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### **SENTINEL SURVEILLANCE SYSTEM**

Data are obtained from sentinel outpatient providers participating in the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet). Data are reported on a weekly basis for the previous Morbidity and Mortality Weekly Report (MMWR) Week by the sentinel sites and are subject to change as sites back-report or update previously submitted weekly data.

Percent of ILI Reported by Type of Sentinel Outpatient Facility, Indiana, 2015-2016 Season			
MMWR Week	All Reporters %ILI (n)	Universities %ILI (n)	Non-Universities %ILI (n)
<b>9</b>	3.59% (21)	1.90% (5)	4.29 (16)
<b>8</b>	2.76 (23)	2.91 (7)	2.69 (16)
<b>7</b>	2.16 (24)	2.87 (9)	1.89 (15)

Percent of ILI Reported by Age Category in Sentinel Outpatient Facilities, Indiana, 2015-2016 Season		
Age Category, years	Total Number of ILI	Percent of ILI
0-4	53	25.60%
5-24	121	58.45
25-49	19	9.18
50-64	12	5.80
65+	2	0.97
Total	207	--



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### **SYNDROMIC SURVEILLANCE SYSTEM**

Data are obtained from hospital emergency department chief complaint data through the Indiana Public Health Emergency Surveillance System (PHESS). Data are reported on a weekly basis for the previous Morbidity and Mortality Weekly Report (MMWR) Week and are subject to change as hospitals back-report or update previously submitted weekly data.

Percent of ILI Reported in Emergency Departments by District, Indiana, 2015-2016 Season		
	Previous MMWR Week	Current MMWR Week
Indiana	2.45%	2.84%
District 1	3.20	2.98
District 2	3.19	2.65
District 3	1.18	1.30
District 4	2.34	2.51
District 5	2.31	2.90
District 6	2.92	4.46
District 7	2.70	2.61
District 8	1.82	2.68
District 9	2.54	3.81
District 10	1.89	2.26



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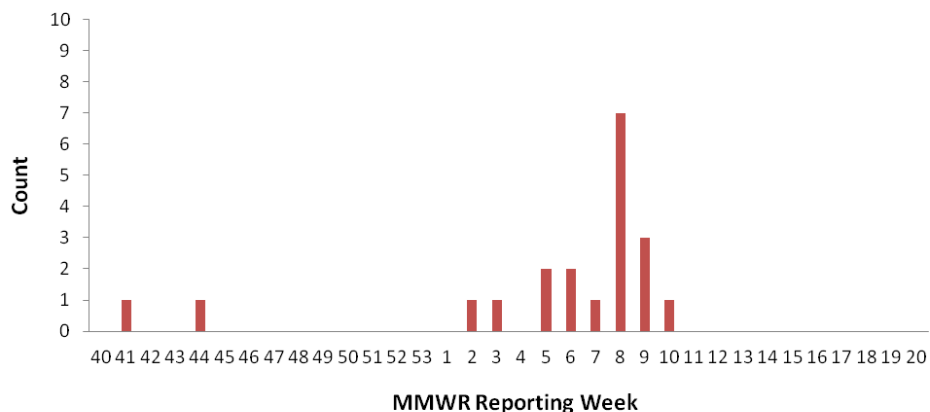
### INFLUENZA-ASSOCIATED MORTALITY

Data are obtained from the Indiana National Electronic Disease Surveillance System (I-NEDSS). Influenza-associated deaths are reportable within 72 hours of knowledge; however, not all cases are reported in a timely manner so data in this report as subject to change as additional cases are back-reported.

Number of Laboratory Confirmed Influenza-Associated Deaths for All Ages, Indiana, 2015-2016 Season	
Age Category, years	Season Total
0-4	0
5-24	3
25-49	1
50-64	11
65+	5
Total	20

Counties with ≥5 Laboratory Confirmed Influenza-Associated Deaths for All Ages, 2015-2016 Season			
County	Season Total	County	Season Total
Lake	5		
Marion	5		

Number of Reported Influenza-Associated Deaths by Week of Death, All Ages,  
Indiana, 2015-16





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## VIROLOGIC SURVEILLANCE

Circulating Influenza Viruses Detected by ISDH Laboratory*, Indiana, 2015-2016 Season				
PCR Result	Week 9		Season Total	
	Number	Percent of Specimens Received	Number	Percent of Specimens Received
2009 A/H1N1pdm virus	37	53.6%	115	27.9%
Influenza A/H3 seasonal virus	5	7.3%	60	14.6%
Influenza A/H1 seasonal virus	0	0%	0	0%
Influenza B seasonal virus	11	15.9%	15	3.6%
Influenza negative	13	18.8%	207	50.2%
Inconclusive	1	1.5%	4	1.0%
Unsatisfactory specimen <sup>†</sup>	2	2.9%	11	2.7%
Influenza Co-infection <sup>Δ</sup>	0	0%	0	0%
<b>Total</b>	<b>69</b>	<b>100%</b>	<b>412</b>	<b>100%</b>

\* Data obtained from the ISDH Laboratory via specimens submitted from the ISDH Sentinel Influenza Surveillance System and IN Sentinel Laboratories.

<sup>†</sup> Unsatisfactory specimens include specimens that leaked in transit, were too long in transit, or were inappropriately labeled.

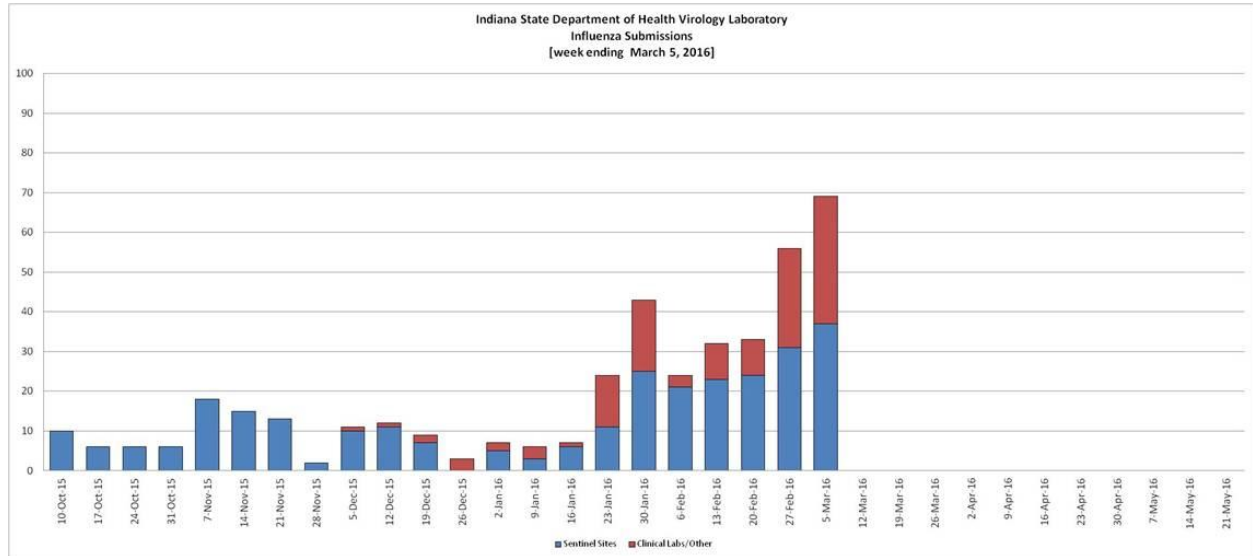
<sup>Δ</sup> All previous-year co-infections have been influenza A/H3 and influenza B.

Circulating Non-Influenza Viruses Detected by the ISDH Laboratory, Indiana, 2015-2016 Season			
Result	Week 9	Season Total (Since 10/1/15)	Early Surveillance (9/1/15 - 9/30/15)
<b>Adenovirus</b>	0	6	0
<b>Coronavirus 229E</b>	0	0	0
<b>Coronavirus HKU1</b>	0	0	0
<b>Coronavirus NL63</b>	0	0	0
<b>Coronavirus OC43</b>	0	0	0
<b>Enterovirus NOS</b>	0	0	0
<b>Enterovirus/Rhinovirus</b>	0	2	1
<b>Human Metapneumovirus</b>	0	0	0
<b>Parainfluenza 1 Virus</b>	0	1	1
<b>Parainfluenza 2 Virus</b>	0	1	0
<b>Parainfluenza 3 Virus</b>	0	1	0
<b>Parainfluenza 4 Virus</b>	0	1	0
<b>Rhinovirus</b>	0	0	0
<b>Respiratory Syncytial Virus</b>	0	1	0
<b>Total</b>	<b>0</b>	<b>13</b>	<b>2</b>



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## VIROLOGIC SURVEILLANCE (GRAPH)





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## **FLU REVIEW**

### **Flu Vaccine Resources**

- The [Immunization Action Coalition](#) recently updated its “[Influenza: Questions and Answers](#)” handout to reflect the current 2015–16 ACIP recommendations. The handout covers both general information about influenza and more specific vaccine-related questions, and is suitable for patients, parents, and the general public.
- The CDC offers fact sheets to aid in healthcare providers’ communication with patients about the influenza vaccine. Basic as well as in-depth fact sheets are available in both English and Spanish for [parents of infants and young children](#) (birth through age 6), [parents of preteens and teens](#) (7 through 18 years old), [adult vaccination patients \(English speakers\)](#), and [adult vaccination patients \(Spanish speakers\)](#).

### **Flu News and Related Studies**

- Influenza activity in the United States remains above the national baseline, and activity is likely to continue at elevated levels for several more weeks. Thirty-three states have now reported widespread flu activity, with fourteen states (including Indiana) reporting regional flu activity, and only three states reporting either local or sporadic influenza activity. View the [map](#) of weekly influenza activity in the U.S. and the latest [FluView report](#) for more about current influenza activity, trends, and impact throughout the United States (CDC).
- The Indiana State Department of Health (ISDH) has issued a [press release](#) regarding the rise of flu-related deaths in Indiana, strongly recommending that Indiana residents receive the influenza vaccine if they have not already.
- A committee of U.S. Food and Drug Administration (FDA) advisers has recommended two changes for the 2016-17 influenza vaccine, consistent with the World Health Organization’s recommendations ([Medscape](#)).
- A study utilizing data from the 2000-2011 U.S. National Health Interview Survey found that states with healthcare worker influenza vaccination laws reported significantly higher healthcare worker influenza vaccination rates ([Journal of the National Medical Association](#)).

### **For Further Information, Visit:**

[www.in.gov/isdh/25462.htm](http://www.in.gov/isdh/25462.htm)

[www.cdc.gov/flu](http://www.cdc.gov/flu)

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